



LOUISIANA NATURAL AND SCENIC RIVERS SYSTEM

PERMIT APPLICATION

Permit # 864 (Assigned by Department)

The Louisiana Department of Wildlife and Fisheries' Scenic Rivers program is authorized by LRS title 56, Chapter 9 Part II. This law requires permits authorizing activities in or affecting rivers that have been designated by the Louisiana Legislature as Natural and Scenic. Information provided on this form will be used in evaluating the application for a permit. Information in this application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary; however, the data requested are necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

APPLICANT INFORMATION

Table with 2 columns: Applicant Information and Agent Information. Rows include Name, Address, City, State, Zip, and Phone for both Cameron Interstate Pipeline, LLC and T. Baker Smith, LLC.

DESCRIPTION OF THE PROPOSED ACTIVITY

Brief summary of the description and purpose of the proposed activity (details to be attached as a separate document). Cameron Interstate Pipeline, LLC is proposing to construct a 22-mile long 42-inch in diameter pipeline. Is any portion of the activity complete? YES [ ] NO [X] (If yes indicate month and year of completion)

LOCATION OF PROPOSED ACTIVITY

Table with 2 columns: Stream Name and Names, Addresses, Phone Numbers of Adjacent Property Owners. Rows include Parish, Section, Township, Range, and Latitude/Longitude.

ENVIRONMENTAL ASSESSMENT

Must be a separate document. See the attached instruction sheet for completing the assessment.

CONFIRMATION OF INFORMATION ACCURACY

Application is hereby made for a Scenic River Use Permit to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that, to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities, or I am acting as the duly authorized agent of the applicant.

Handwritten signature and printed text 'Signature'.

03/01/2013 Date



March 6, 2013

Keith Cascio  
Louisiana Department of Wildlife & Fisheries  
Scenic Rivers Program  
P.O. Box 98000  
Baton Rouge, LA 70898-9000

Mr. Cascio:

On behalf of Cameron Interstate Pipeline, LLC (CIP), T. Baker Smith, LLC is submitting to your office two Scenic Stream Permit Applications with the required additional information, processing fees, seven sets of photographs, and the associated Environmental Assessment necessary for the permitting process.

CIP will horizontally directional drill the sections of the proposed pipeline that cross Beckwith Creek and Hickory Branch in Calcasieu Parish, LA. By horizontally directional drilling these crossings, CIP will avoid impacting these waterways and their adjacent habitat.

If there are any problems or questions, please do not hesitate to contact me at 337.735.2848 or by email at zachary.lissard@tbsmith.com. Thank you for your assistance in this matter.

Sincerely,

**T. BAKER SMITH, LLC**

Zack Lissard  
Environmental Professional

Enclosures: 2 Completed Scenic Stream Applications  
Additional Information Required for the Application  
Environmental Assessment  
\$200 Processing Fee

cc: J.D. Morris, Cameron Interstate Pipeline, LLC  
TBS Project Folder

ZRL/mbh

TBS Project Number: 2012.0490

**Location of Proposed Activity**

<b>Stream Name</b>	<b>Hickory Branch</b>	<b>Names, Addresses, and Phone Numbers of Adjacent Property Owners</b>
Parish	Calcasieu	State of Louisiana 1201 N. Third St., Suite 7-210 Baton Rouge, LA 70802
Section	9	B.H. Timber, Inc Attn: Jeffery Peters 8641 United Plaza, Suite 300 Baton Rouge, LA 70808
Township	8S	Dann M. Thomasson, ET AL 101 Round Bay Road Severna Park, MD 21146
Range	9W	
Latitude/Longitude	30° 22' 58.10 N, 93° 17' 39.22 W	

## Additional Permit Application Information

1.

- A. Cameron Interstate Pipeline, LLC (CIP) is proposing to construct a 22-mile long 42-inch diameter natural gas pipeline expansion within Calcasieu and Beauregard Parishes, Louisiana to service the proposed Cameron LNG Liquefaction Facility. Drawings of the proposed project area within the vicinity of Beckwith Creek and Hickory Branch are attached.
- B. A vicinity map of the proposed project is attached.
- C. Seven sets of color photos of Beckwith Creek and Hickory Branch are attached.
- D. No other permits are required for Horizontally Directional Drilling (HDD) the pipeline under Beckwith Creek and/or Hickory Branch.
- E. The Permit Applications are signed by an authorized representative of Cameron Interstate Pipeline, LLC.
- F. CIP has a good history of compliance with the Louisiana Natural and Scenic Rivers System. CIP submitted a Scenic Rivers permit application and received a permit to HDD beneath the scenic rivers to be crossed by the initial CIP pipeline project. CIP makes every effort to obtain all permits necessary to complete the pipeline project.
- G. CIP has set its HDD entry and exit locations the necessary distance away from the scenic streams to ensure that they and their associated habitats will not be adversely affected by the project. Additionally, CIP will comply with CIP's Environmental Plan and the Federal Energy Regulatory Commission's Upland Erosion Control, Revegetation and Maintenance Plan to ensure that the work area is stable and the water quality will not be impacted by the proposed project.
- H. No Action Alternative: Pipeline is not constructed and crossing of scenic streams is not warranted. This would mean that the pipeline is not constructed and CIP will not be able to transport natural gas to the Cameron LNG Liquefaction Facility. It also means that scenic streams will not be crossed and a scenic streams permit will not be warranted.

Alternative 1: Construct pipeline and install the pipe using the open trench method within the boundaries of Beckwith Creek and Hickory Branch. This option would have a temporary adverse effect on water quality, flora, and fauna within Beckwith Creek and

Hickory Branch. I would also require the removal and clearing of vegetation along the banks of the scenic streams.

**Proposed Action:** Construct the pipeline and utilized HDD's within the areas of scenic streams to install the pipeline. This action will ensure that the scenic streams will not be temporarily or permanently adversely affected by the installation and the maintaining of the pipeline. This was identified as the best option for completing the project.

- I. **\$100 Permit Fee is Included with this submittal.**
  
2. **Public Notices for the proposed project will be published in the Official State Journal and the official parish journals. Proof of these publications will be submitted to the Scenic Rivers Coordinator once they are published.**

**Louisiana Department of Wildlife and Fisheries  
Scenic Rivers Environmental Assessment**

**For**

**CAMERON INTERSTATE PIPELINE EXPANSION  
PROJECT  
CALCASIEU AND BEAUREGARD PARISHES,  
LOUISIANA**

**Prepared for:**

**Cameron Interstate Pipeline, LLC  
2925 Briarpark Drive, Suite 900  
Houston, TX 77042**

**March 2013**

**TBS Project Number 2012.0490**

**Prepared by:**



**TABLE OF CONTENTS**

DESCRIPTION .....	PAGE
LIST OF APPENDICES .....	ii
PROJECT DESCRIPTION .....	1
EXISTING LAND USE .....	1
PROPOSED ACTION AND ALTERNATIVE .....	1
HISTORICAL AND ARCHEOLOGICAL SITES .....	2
ECONOMIC IMPACT .....	2
WILDERNESS AND RURAL QUALITY .....	3
SCENIC AND AESTHETIC VALUE .....	3
RECREATIONAL USE AND OPPORTUNITIES .....	3
ECOLOGICAL SYSTEMS .....	3
FISH AND WILDLIFE .....	4
VEGETATION .....	4
GEOLOGICAL FEATURES .....	4
HYDROLOGICAL FEATURES .....	4
WATER QUALITY .....	4
CONCLUSION .....	5

**LIST OF APPENDICES**

<b><u>Description</u></b>	<b><u>Page</u></b>
Vicinity Map .....	A-1
Site Map.....	B-1
Photographs .....	C-1
State Historic Preservation Office Correspondence .....	D-1

---

## Project Description

---

Cameron Interstate Pipeline, LLC is proposing to construct a pipeline to transport gas from various interstate pipeline interconnections to the Cameron LNG Terminal to support the Cameron LNG Liquefaction Project. It was identified that the proposed pipeline project will cross two waterways designated, under LRS title 56, Chapter 9 Part II, as Natural and Scenic Rivers of Louisiana. The Beckwith Creek and Hickory Branch Creek waterways are designated by the Louisiana Department of Wildlife and Fisheries (LDWF) as Natural or Scenic Rivers and are located within the proposed project area (**Appendix B**). The approximately 22-mile long proposed natural gas pipeline begins at an existing facility approximately 3,300 feet southeast of the intersection of W. Houston Road and Long Leaf Drive in Calcasieu Parish, Louisiana. The proposed pipeline travels northerly and terminates at an existing meter station approximately 1,400 feet southwest of the intersection of Parish Road 152 and Al Cormier Road in Beauregard Parish, Louisiana. A set of maps outlining the area of the proposed pipeline alignment that will traverse scenic streams are located in **Appendix B**.

---

## Existing Land Use

---

The area surrounding the proposed project area was utilized in a variety of ways. The main land uses along the proposed project area consisted of silviculture, pasturelands, native hardwood forests, and agriculture.

---

## Proposed Action and Alternative

---

### Proposed Action

CIP is proposing to construct a 22-mile long natural gas pipeline to serve its proposed LNG facility. In the locations of the two mentioned scenic rivers, the pipeline will be horizontally directional drilled (HDD). There will be no impacts to either of the scenic rivers due to construction of the proposed pipeline. This is action was identified as the best alternative for constructing the pipeline.

### "No Action" Alternative

This action consists of the pipeline not being constructed. CIP would not be able to supply natural gas to the Cameron LNG Liquefaction Terminal. Scenic streams would not adversely be affected by this alternative. This is not seen as the best action because it would not allow CIP provide natural gas to the Cameron LNG Liquefaction Facility.

### Alternative

Under this alternative CIP would construct the 22-mile long 42-inch in diameter pipeline by open trench method within the scenic stream areas. This alternative would temporarily impact water quality within the streams and would permanently impact the vegetation and banklines of these streams due to the clearing and the open trenching on the stream. This alternative is not seen as being the best method to take when constructing the pipeline.

### Historical and Archeological Sites

A cultural resources investigation of the proposed project area was conducted during May and June 2012 to identify the presences of cultural resources. No archaeological sites, historical structures, or cemeteries were identified within the proposed project area. Additionally, a consultation with the Louisiana Department of Culture, Recreation, and Tourism Division of the Archaeology and Historic Preservation (SHPO) was initiated and completed. Copies of the related correspondence with SHPO are provided in **Appendix D**.

### Economic Impact

The CLNG pipeline would have a temporary economic impact on the areas surrounding the proposed pipeline during the construction phase. This project would require many different contractors who would temporarily reside in the area and promote local business. Local hotels will likely see an increase in revenue from the construction personnel. Local retail businesses will also see an increase in revenue from the construction personnel increasing demand for goods and services in the local community. Also, the proposed pipeline could add some permanent jobs by way of production and maintenance.

---

## Wilderness and Rural Quality

---

The terrestrial areas within the proposed project area adjacent to Beckwith Creek and Hickory Branch consist of mature hardwood forest. These areas appear to be in a natural state and free of invasive plant species. Cameron LNG is proposing to Horizontal Direction Drill (HDD) the pipeline crossings of Beckwith Creek and Hickory Branch to avoid any potential adverse impacts to the scenic waterway and their adjacent habitat. Photographs of the scenic waterways within the proposed project area are included in **Appendix C**.

---

## Scenic and Aesthetic Value

---

The scenic and aesthetic value of the rivers will not be impacted due to the HDD. Work sites will be placed at considerable distances from the streams so that banklines and associated vegetation are not impacted. An erosion control plan will be implemented at all construction areas.

---

## Recreational Use and Opportunities

---

Public recreational use of the scenic waterways located within the proposed project area is limited. The majority of the land adjacent to Beckwith Creek and Hickory Branch is privately owned. There is a public boat launch in Holbrook Park located approximately two miles south of the proposed project area along Beckwith Creek. The boat launch could be utilized to navigate to the area where the proposed project will intersect Beckwith Creek. No impacts to recreational use and opportunities are expected by the construction of pipeline.

---

## Ecological Systems

---

The ecological system of the scenic stream areas are those indicative to bottomland hardwood forests of the southeastern United States. The bottomland hardwood forest areas observed were in a natural state with little or no alteration from its natural state. No impacts to the ecological systems surrounding the streams are expected by the construction of the pipeline.

---

## Fish and Wildlife

---

There are many types of fish and wildlife that use the two scenic rivers located within the project area. Both of the rivers are permanent waterways and are also navigable. They provide habitat for many species of fishes, mammals and waterfowl. The fish and wildlife will have no negative impacts towards them due to the construction of this pipeline.

---

## Vegetation

---

The bottomland hardwood forests found along the two rivers consisted of large mature hardwood species such as various oaks (*quercus sp.*), sweetgum (*Liquidambar straciflua*), red maple (*acer rubrum*), black gum (*nyssa sylvatica*), and Chinese tallow (*sapium serbiferia*) and an understory dominated by ironwood (*Carpinus caroliniana*), horse-sugar (*Symplocos tinctoria*), Elliott's blueberry (*Vaccinum elliotii*), and southern arrowwood (*Virburnum dentatum*). There will be no impacts to vegetation near the scenic rivers due to the horizontal drilling under each river.

---

## Geological Features

---

The area surrounding these scenic rivers consisted of frequently flooded hardwood bottom. The soil in the area consists of loamy or sandy alluvium. There will be no impact to the geologic features due to the pipeline being horizontally drilled underneath both rivers.

---

## Hydrological Features

---

Both of the listed rivers are found in flood basins containing bottomland hardwood wetlands. These wetlands flood periodically and are hydrologically connected to the adjacent rivers. There will be no impact to the hydrological features since the pipeline will be horizontally drilled underneath both rivers.

---

## Water Quality

---

The water quality in these rivers is directly affected by rainfall. During rain events a strong flow is observed. During dry months there is little or no flow and water becomes stagnant. This project will not affect the water quality of either waterway due to HDD. Impacts from

construction sites will be eliminated through erosion control practices.

## Conclusion

---

Beckwith Creek and Hickory Branch Creek are not likely to be adversely affected by the installation of the proposed pipeline due to the implementation of HDD's. All work sites will be located outside of the waterway's adjacent wetlands. Worksites will utilize CIP's Environmental Plan and the Federal Energy Regulatory Commissions' Upland Erosion Control, Revegetation, and Maintenance Plan to avoid silt and sediment runoff into the surrounding waterways.

## REFERENCES

---

- Lichvar R. W. 2012. The National Plant List, ERDC/CRREL TN-12-1. Hanover, NH: U.S. Army Corp of Engineers, Cold Regions Research and Engineering Laboratory.  
[http://acwc.sdp.sirsi.net/client/search/asset:asset?t:ac=\\$N/1012381](http://acwc.sdp.sirsi.net/client/search/asset:asset?t:ac=$N/1012381)
- USDA, NRCS. 2011. The PLANTS Database (<http://plants.usda.gov>, 17 July 2012). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.

**APPENDIX A**

**VICINITY MAP**

**Cameron Interstate Pipeline Expansion Project  
Scenic Rivers Environmental Assessment**

T8S - R9W

HICKORY BRANCH  
 LAT = 30° 22' 58.10"  
 LONG = 93° 17' 39.22" (NAD 27)

PROPOSED BORE EXIT

PROPOSED BORE ENTRY

PROPOSED 42" PIPELINE  
 (110,727')  
 (20.97 MILES)

SEC. 8

SEC. 9

SEC. 17

SEC. 16

PROPOSED BORE EXIT

BECKWITH CREEK  
 LAT = 30° 22' 12.90"  
 LONG = 93° 18' 34.91" (NAD 27)

PROPOSED BORE ENTRY

- LEGEND:**
-  = WETLANDS
  -  = POINT OF INTERSECTION
  -  = ACCESS ROADS
  -  = PROPOSED 42" PIPELINE
  -  = PROPOSED HDD
  - MM 1 ● = MILE MARKER
  -  = DNR PIPELINES

PIPELINE

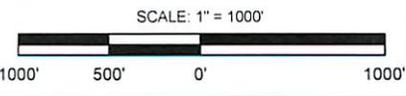
DRAWN BY: SPM      APPROVED BY: ZRL

DATE: 03/01/13      JOB NO: 2012.0490

DRAWING NAME: 120490\_AREA\_REV 2.DWG

SHEET NO: 2 OF 2

PROJECTION: LOUISIANA SOUTH  
 GEO. DATUM: NAD83 | VERT. DATUM: NAVD88  
 GRID UNITS: US SURVEY FEET



MAP 2 OF 2

CAMERON INTERSTATE PIPELINE  
 PROPOSED 21 MILE 42" PIPELINE ROUTE  
 T9S-R10W, T8S-R10W, T8S-R9W,  
 T7S-R9W, AND T7S-R8W  
 BEAUREGARD AND  
 CALCASIEU PARISHES LOUISIANA



**T. BAKER SMITH** 1913  
 A CENTURY OF SOLUTIONS 2013  
 107 Global Circle, Lafayette, LA 70503  
 (337)735-2800 - tbsmith.com

REV. NO: 00	REV. DATE: --/--	REV. BY: --
REVISION DESCRIPTION: --		

3/1/2013 - P:\Y-2012\120490\DWG\COE\REV 2\120490\_AREA\_REV 2.DWG

**APPENDIX B**

**SITE MAP**

**Cameron Interstate Pipeline Expansion Project  
Scenic Rivers Environmental Assessment**



APPENDIX C

PHOTOGRAPHS

Cameron Interstate Pipeline Expansion Project  
Scenic Rivers Environmental Assessment

N/A



PHOTOGRAPH 3 (TBS PHOTO 30 MAY 2012) VIEW OF BECKWITH CREEK



PHOTOGRAPH 4 (TBS PHOTO 31 MAY 2012) VIEW OF HICKORY BRANCH CREEK



PHOTOGRAPH 5 (TBS PHOTO 31 MAY 2012) VIEW OF HICKORY BRANCH CREEK



PHOTOGRAPH 6 (TBS PHOTO 24 MAY 2012) VIEW OF HICKORY BRANCH CREEK



PHOTOGRAPH 7 (TBS PHOTO 24 MAY 2012) VIEW OF HICKORY BRANCH CREEK

## APPENDIX D

### STATE HISTORICAL PRESERVATION OFFICE CORRESPONDENCE Cameron Interstate Pipeline Expansion Project Scenic Rivers Environmental Assessment



4155 Shackleford Road  
Suite 225  
Norcross, GA 30093

770.270.1192 PHONE  
770.270.1392 FAX

January 30, 2013

Pam Breaux, State Historic Preservation Officer  
Louisiana Department of Culture, Recreation & Tourism  
1051 N. Third Street, Room 319  
P.O. Box 44247  
Baton Rouge, LA 70804-4247

**Subject: Revised Phase I Cultural Resource Survey Report (Negative Findings) for the Proposed Cameron Interstate Pipeline Project in Beauregard, Calcasieu, and Cameron Parishes, Louisiana (La Division of Archaeology Report No. 22-4096)**

Dear Ms. Breaux:

On behalf of Cameron Interstate Pipeline, LLC, a division of Sempra LNG, please find enclosed two copies of the revised draft technical report entitled *Negative Findings - Phase I Cultural Resource Investigations for the Cameron Interstate Pipeline Expansion Project: Beauregard, Calcasieu, and Cameron Parishes, Louisiana*. Your office has previously reviewed and approved the findings in earlier versions of this report, and final versions were submitted on October 1, 2012 and December 5, 2012. However, as part of its review of Cameron LNG's filings with the Federal Energy Regulatory Commission (FERC), the FERC has subsequently requested additional revisions be made to the report. These revisions consist of small corrections to some figures, and make no changes to the original findings and recommendations.

If you have any questions about the reports or our findings, please do not hesitate to contact me at (770) 270-1192 ext. 118 or [lthomas@tresolutions.com](mailto:lthomas@tresolutions.com). Thank you for your assistance on this project.

Sincerely,

Larissa A. Thomas, Ph.D.  
Cultural Resources Program Manager

Enclosures: two copies of final report

cc: JD Morris, Sempra



JAY DARDENNE  
LIEUTENANT GOVERNOR

**State of Louisiana**  
OFFICE OF THE LIEUTENANT GOVERNOR  
DEPARTMENT OF CULTURE, RECREATION & TOURISM  
OFFICE OF CULTURAL DEVELOPMENT

CHARLES R. DAVIS  
DEPUTY SECRETARY

PAM BREUX  
ASSISTANT SECRETARY

11 February 2013

Larissa Thomas  
Cultural Resources Program Manager  
TRC  
4155 Shackelford Road, Suite 225  
Norcross, GA 30093

Re: Draft Report  
La Division of Archaeology Report No. 22-4096  
*Negative Findings Phase I Cultural Resource Investigations for the Cameron Interstate Pipeline  
Expansion Project: Beauregard, Calcasieu and Cameron Parishes, Louisiana*

Dear Dr. Thomas:

We acknowledge receipt of your letter dated 30 January 2013 and two copies of the above referenced report. We appreciate the submission of the revised report. As the revisions do not concern the field results or the conclusions concerning the project's impact on historic properties, we have no concerns for the report. We had previously accepted the report as final, and will substitute this version for the hard copy on our shelves. We do request submission of the revised report pdf for our records (email is fine).

If you have any questions, please contact Chip McGimsey in the Division of Archaeology by email at [cmcgimsey@crt.la.gov](mailto:cmcgimsey@crt.la.gov) or by phone at 225-219-4598.

Sincerely,

A handwritten signature in blue ink that reads "Pam Breux".

Pam Breux  
State Historic Preservation Officer

PB:crm